# Fate to Be Decided at the Boston Meeting.

YAMPA TO SHIP

# Will Be Reduced at the Valley Furnaces.

Active Development, With Encouraging Results at Mt. Baldy-Sparring for Tonopah Prospects.

Among other things to be decided by the directors of the Bingham Con. Mining company at their meeting in Boston the present week is that looking to the addition of a lead blast to their copper furnaces in the valley. Urging it upon them with the zeal of a man who has something with which to sustain it, is no less a personage than Peter S. Kimberly, and the recommendations of Mr. Kimberly are not to be treated contemptuously, no matter how much his colleagues may differ with him upon the commercial aspect of such a departure. Mr. Kimberly and his associates control the Honerine mines at Stockton. He also, it is said, the largest individual shareholder in the Bingham Con. With the concentrator at Stockton approaching completion the Honerine must have use of lead furnaces in a short time and he sees no reason why he should be made to go into the open market with the product when, with the addition of lead blast, it could be reduced at the Singham Con. Again it is claimed that he neighbors of the Honerine have a mighty warm spot in their hearts for the man whose pluck and purse has made it possible to unwater the zone from the lower levels of which they were for so long a time excluded, and that should he solicit it their output will go as goes that of the Honerine. It is known that before his departure

for the meeting in Boston Capt. Dimean MacVichle, who is not only the manager of the Bingham Con, but the personal friend of Mr. Kimberly, procured from the open market the best figures at which the Kimberly lead ores could be reduced at the custom plants and unless these appeal to that gentleman as equitable it is not unlikely that the directors will decide to begin at once the installation of a lead blast furnace. News from the Boston meeting is ac-cordingly awaited with the very livellest interest.

# TO FORWARD MATTE.

### Yampa Smelter Will Begin Marketing Its Product.

The management of the Yampa smelter, Bingham canyon, will the present week begin the forwarding of copper, gold and silver-bearing matte to one of the valley plants when the splendid resuits for which George H. Robinson began his researches when he took hold of the Yampa group of mines in the big camp will have been practically at-tained. The story of the mines' devel-opment, their equipment with furnaces and the production of matte is the story of those that antedated them and while smelter has not yet passed through "teething period" it has at least verified all that was anticipated by Mr. Robinson when he invited his friends in developed with ores enough with which to supply the smelter Indefinitely, it is the intention of the company now to devote its sinews to the development of its large areas at Tintle in which it is said that several ledges, of which the company has said nothing for publication, have been encountered during the

# TINTIC'S IRON ORES.

#### Eager Market Always Ready for the High-Grade Product.

The furnaces of the valley continue to

draw quite heavily upon the iron ores of Tintic and while the margin is a narrow one the producer finds it more profitable to mine and market the ma-terial than to cast it aside while the search for the precious metals is prosecuted. At present the owners of the Dragon Iron mines are putting out ap-proximately 2000 tons of ore monthly with small tonnages coming from som of the neighboring properties and yet the smelters find it necessary to appeal to other localities to supply their full t requirements. For eligible iron ores, in-ideed, there is always an eager market in the valley, this without reference to the sulphides of Bingham.

# HENRY AND MT. BALDY.

### Energetic Development by the Bradburn and Franklin Syndicates.

(TRIBUNE SPECIAL) Richfield, Jan. 24.-Bracton Broady, who is assayer and local secretary of the Bradburn Mining company, operating at Henry district and Mt. Baldy, out of Marysvale, spent a day in Richfield in the interest of his corporation. At the Bradburn company's Mt. Baldy diggings the fourteen-foot vein has twice been cross-cut at a vertical depth of seventy-five feet with a yield of \$10.58, average gold assay. This is in the tunnel on the Wright claim, one of the most promising of the Bradburn group. At the Wright No. 2 the comI pany has run a 311-foot tunnel, driving
towards the ledge, which should be
tapped within a few more feet. At
these workings the company has susI pended for the winter because of the
deep snows.

I deep snows. Dr. P. A. H. Franklin is running three tunnels on the Log Cabin and Elephant domain. What is known as the Log Cabin tunnel is now in 530 feet and has pierced an eight-foot vein of low-grade ore, which it is following upon the theory of increasing values with depth. The so-called Franklin tunnel starts on the Log Cabin claim and has attained a length of 540 feet, cross-cutting the formation all the way its destination is a breathy-locky. its destination is a healthy-looking ledge, well outlined on top, which should be broken into in another 1000

BINGHAM LEAD BLAST which is now about 500 feet long, crosswhich is now about 500 feet long, cross-cutting the country, and when 1500 feet long will join the Franklin tunnel in the Log Cabin territory at a depth of 1100 feet from the surface, making one tunnel about 2000 feet in length. Eight-een miners in the two tunnels are hastning this consummation, to which mining men of the region generally are looking for a proof of deep values in the Marysvale country,

Marysvale country.

These two Franklin tunnels will merge into one in the Edna claim, one of the Log Cabin group, and since the Bradburn ground lies astride the Edna that company may rest on its oars throughout the winter with the comfortable assurance that every foot added to the Franklin undertaking goes to develop the Bradburn group.

Harry Mills and George F. Dalton, according to Mr. Broady, have a coming bonanza in the Carbonate group on Two-Mile. An eight-foot lead goes 40

Two-Mile. An eight-foot lead goes 40 per cent lead and carries some gold and silver, running the total average up to \$10 They are preparing now to run an incline on the ground. Mr. Dalton is the man who discovered the Dalton mine, and with Mr. Mills made the rich strike last season on the Wedge.

At the Hope group near Bullion Falls Manager William E. White is working in ore on two hig lodge.

in ore on two hig lodes.

Manager Heary Bradburn is now in Denver, where he will remain until next May, when he expects to return to Marysvale to resume work at the com-pany's Mt. Baldy holdings on a more extensive scale than ever.

In the Sevier canyon property, which belongs to the same corporation. Con-tractor J. U. Sargent has driven the tunnel into a fourteen-foot breast of \$5 gold ore. The vein is exposed for 4500 feet on the surface, and according to all the carmarks this proposition should soon rank with its near neighbor in the same district, the B. W. & H., which has sold in the past and has now piled on the dump a large quantity of ship-

#### VISIT THE MAJESTIC.

#### A Party, Some of Them From Salt Lake, See the Mine.

[TRIBUNE SPECIAL]

Park City, Jan. 24.-The following party inspected the Park City Majestic today, some of the members coming up from Salt Lake this morning for this purpose: Dr. H. A. Andrews of Salt Lake, vice-president of the company; D. E. Campbell of Salt Lake, a prom-inent stockholder; C. S. Ralfe, also of Sait Lake, promoter and mining dealer, and J. E. Nelson, J. H. Macdonald and George Wilson of this place, all interested

There is quite a stir among the Ma-There is quite a stir among the Majestic people at present over the conditions in that property, and a general move towards a more extensive and rapid development of the grounds.

The party returned this evening from the examination of the Majestic with everybody highly pleased with the appearance of the property and several expressed themselves this evening as astonished at the remarkable showing

astonished at the remarkable showing with comparatively so little work done. They report an important change in the formation within the last few days and say that indications are not wanting denoting the presence of a ledge. While the party was at the property a quan-tity of ledge matter was shot down which is exciting the highest anticipawhich is exciting the highest anticipations among the visitors Manager Ross brought back this evening a large assortment of specimens, broken down by these shots. They are samples of highly minecalized and brilliantly stained vein matter. It is the opinion of the experienced miners of the party that they contain considerable amounts of the suithide of silver and assays are awaited with a lively interest. The analysis of the same considerable amounts of the suithide of silver and assays are awaited with a lively interest. The ap-pearance of ledge matter so soon is a surprise to everybody acquainted with the ground, as no ledge was expected for 190 or 150 feet, when the ore chute which carries galena to the surface of the principal vein is due. This vein dips toward the tunnel and the drift will cut it at enormous depth. Two shifts are working at the tunnel now, so that im-portant events are confidently looked for in a short time. The Salt Lake the East to get aboard. The company's for in a short time. The Salt Lake Bingham system of mines having been members of the party returned this

# EASING THEM OUT.

### Forces at Daly-Judge Being Gradually Retired by Management.

The programme, furnished from an unofficial source, for the closing of mining and milling operations in the Daly-Judge embraces the gradual laying off of the forces between now and the first of the month. In addition to the men who have already been laid off, the informant says, the machine men will be laid off today. The greater portion of the miners and timbermen will go tomorrow, the remainder of the mining force on the 28th and the mill will close on the 1st. Altogether about 200 men will go and fifty will remain to prospect under the supervision of John McSorley. The men are already pur-chasing several splendid tokens of es-teem to present to several mine offlcers who have won their good will and friendship,

# ONTARIO CONCENTRATOR.

#### Machinery Started, and All Runs Smooth as Clock Work.

The machinery of the just completed Ontarlo concentrator was started on a trial run at 3 this afternoon. The three motors were connected and the whole motors were connected and the whole system of machinery from the crusher to the Wilsley tables ran as smoothly as clockwork. It will probably be a week before any attempt is made to put ore through. The machinery will be run several days with only the flow of water going through before ore is introduced. The ore dump near the Ontario duced. The ore dump near the Ontario hoist will be used before any ore is inhoist will be used before any ore is in-troduced from the raise to the tunnel, and with the moderate output planned as a beginning this class of material will last some time. About twenty men will be employed in and about the mill until its initial capacity is in-

# A TONOPAH DEAL

#### Local Talent Nibbling at Another Proposition in the West.

Judge John W. Burton will leave for Tonopah, Nev., tomorrow to conduct an examination of mining property which has been commended to him and assoclates in this city. Although a set of assays tell of the presence of ore of good quality in the property, the Judge would not disclose its exact location until the deal is consummated and the proposition is daugling from his belt.

Grand Deposit's Troubles.

### THE TRIBUNE NEWS STANDS

BOSTON-Crawford, Parker. CHICAGO-Auditorium, Great Northern, Palmer House.

DENVER-Brown Palace. KANSAS CITY-Midland, Coates. LOS ANGELES-The Angelus, B. F. Gardner, 205 Spring Street.
MINNEAPOLIS-West Hotel.

NEW YORK-Waldorf-Astoria, Imperial, Astor House. OMAHA-The Millard, The Paxton. PORTLAND, OR.-Portland Hotel. ST. LOUIS-Planters', Southern. SAN FRANCISCO-Palace, SEATTLE-Hotel Northern. WASHINGTON-Willard, Raleigh,

Muncy state that those interested in the Grand Deposit company's affairs have the utmost confidence that in a very short time financial matters will be put in order. A large amount of money has been expended in buildings and machinery, and the mine would inspire confidence in any mining man."

#### THE OLD WOODSIDE.

#### Belief That the Ore Chute, Long Lost, Has Been Finally Recovered.

[TRIBUNE SPECIAL] Park City, Jan. 24.-The search for the lost Woodside vein seems to have reached a favorable conclusion; at least, those conducting the prospecting operations be-Heve they have traced the float to the orechute in the solid formation. The ore being taken from the prospect new is assuredly no longer float, but comes from a seam which has every indication of lying in the formation between the limestone and quarxite. A person who claims to have seen the denosits describes them as being a fine grade of material, and showing up at present about one and one-half feet thick. The ore channel which led to the chute was followed for 200 feet through debris which reveals the existence formerly of a cave which had been formerly of a cave which had been formerly of a cave which had been formed by the dissolving of a twenty-free-foot stratum of limestone, and up the sides of this collapsed cavern along the quartizite to a higher limebed and into the solid for nation. The search has been a novel and interesting one, and has been watched with keenest anticipations by those owning properties which will be affected by the discovery should it prove to be genuine. chute in the solid formation. The ore

#### EXAMINED BY BRADLEY.

#### Mines at Ely Carefully Sampled by Eminent Authorities.

Frederick M. Bradley, manager of the lunker Hill and Sullivan mines, in the Cocur d'Alene region, Idaho, and for many years closely identified with the late Victor M. Clement of this city and John Hays Hammond, has been conducting an examination of the White Pine Copper company's mines and the New York & Nevada company's holdings at Ely, Nev. The purpose of the examination, according to the White Pine News, is to satisfy a majority of the stockholders that a change in the financial conditions of the treasury and good mine management on the part of the directors are the only essentials required to place the proposition on a productive and paying basis.

Several hundred samples from the properties in question were forwarded to San Francisco, where they will be tried out after which Mr. Bradley will compile his reports, that most largely influence the future of the old Nevada camp. John Hays Hammond, has been conduct-

# PYRITIC SMELTING

#### Lessons That Are Taught No Place Out of Salt Lake Valley.

Thomas T. Read, mining engineer, has found material in the smelting of Bingham's pyritic eres for a most interesting and instructive article in the latest issue of the Mining Reporter, Denver. The Bingham and the United States smelters are examples of raw sulphide smelting in shaft furnaces, says Mr. Read, while at small turnaces, says Mr. Read, while at the Utah Consolidated reasting and smelting in reverberatories is employed. At the United States smelter we have the raw ores, which average about 2 per cent copper and about equal values in gold and sliver, smelted directly in blast furnaces which are 180x42 inches, the suithur present allowed. cent copper and about equal values in gold and sliver, smalted directly in binst furnaces which are 190xt2 inches, the suiphur present allowing a cutting of the coke to 6-7 per cent. A large quantity of low grade matte is produced which is cast. The matte from three such furnaces is returned with about an equal quantity of ore to the fourth furnace which produces a matte running about 25 per cent in copper. This matte is then blown up, in the cylindrical type of converter, to bister copper, two eight-hour shifts with two converters sufficing to dispose of the matte made in twesty-four hours. The converters are worked by hydraulic power and the matte pots and converter shells are handled by an electric crane. The slag is granulated, collected in settling tanks and trammed to the feeding floor by electric haulage. The charges are also trammed to the feeding floor by electric haulage, but the feeding is done by hand. The wide furnaces make a high blast pressure necessary to secure penetration. This in turn gives unequal distribution of the heat, causing accretions to adhere to the water jackets and making barring them off frequently necessary. It also produces a great quantity of flue dust, which is troublesome to handle.

Much the same conditions prevail at the Bingham Consolidated as at the United States. Here, however, the furnaces are narrower, allowing of a lower blast pressure, which makes less flue dust and causes the furnaces to run amoother. This last may be partly due, however, to an easier siag. The second matte at this smelter is somewhat higher, being nearly 40 per cent copper. The treatment of the matte is similar in all respects to that at the United States. Here, however, the slag shells from the consolidated, as the Highland Boy smelter is now called, has a capacity of about 509 tons per day. Two kinds of roasting furnace are at present being used three fours deek furnaces of the Allen-O'Hara type and eight McDougal rotary roasters. The four-deck furnaces have given so much trouble in regard to sm

fuel is required after once starting up a roaster.

The roasted ores are smelted in reverberatory furnaces, nine being required for this tomage. They are 13 feet 6 inches by 15 feet, but the two new ones which are being constructed will have 17-foot hearths. Forced draught is used on them. Three converters are required to handle the matte produced. Electric haulage is used throughout and we find the usual electric crane for handling matte pois and converter shells. The siag is handled in pots. The ores are brought to the roasters and roasted ore taken to the reverberators in larrices, these are delivered at the four different levels required by a four-cage electric hoist. Neither of the three plants mentioned cast their copper, but ship it in pig form to the Eastern refineries.

# At the Comstock.

At the property of the Comstock Mining company, Park City, Superintendent Hickey is now drifting on what is known

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# GREAT SALE

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is being unwatered. In the latter the management reports a nice quality of shipping ore along with that which will go into the concentrator, while the back voin is nicely mineralized, with every assurance that ore of equally good quality awaits development there.

# To Work the Castro.

Active work is to be inaugurated the present week on the Castro group of mines at Bingham, under the Van Patten option in which the purchaser has obligated himself to pay approximately \$80,000 before the final transfer is made to him. It is the intention of the management to extend the tunnel begun by Mr. Castro to the ledge which was productive of some ore of good quality in the workings off the shaft, and plucity days should decide the fate of the undertaking.

	Park City Shipments	
	(TRIBUNE SPECIAL.)	
	City, Jan. 24.—The ore : past week are as follows:	
Daly V Kearns	Vest	Pounds, 2,692,000 129,000
Silver	King	4,741,280

# Mining Notes.

George Moore of the Moore slimes pro-cess is scheduled to return from the East rext week.

Most favorable reports continue from the Blackbird group of mines in Copper guich out of Frisco. Col. Nicholas Treweek, who has been ill at the Waldorf-Astoria, New York, is on his feet sgain, according to advices from the East.

The reopening of the road to Alta will begin today and it is expected that ores will be moving again before the close of the week W. H. Oster leaves next week to pros-

pect the country upon the margins of the San Pedro railway and expects to return with a benanza or two. The newly-elected governors of the min-ning exchange will meet this afternoon for regardization. The candidates for the residency appear to be mostly dark

The minority interests in the Eagle & Blue Bell of Tintic will meet today for the purpose of taking such action as shall be deemed necessary to secure representation on the board of directors.

The Tetro of Tintic is loading another lot of ore running well up in lead with good values in silver and some gold. It was said during the day that a piece of bread money will be forked out in February

The shareholders of the Copper Mountain Mining company meet in special session next week to ratify or reject the option on the group in Beaver county which was recently executed in favor of W. J. Bowering.

A letter from Lindsey R. Rogers, who, with Harold Peery, is at Hot Springs, Ark, mentions the presence of O. E. Welier at the spa. Mr. Welter has been identified with the Bingham Con. since its organization.

F. H. Clark, superintendent of the Trade Dollar Extension at Sliver City, ida., is down from camp again and reports the new tunnel advancing steadily toward the main ledge. Operations at the Trade Dol-lar, senior, are very active at present, with 25 persons employed at the mines and mills.

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TIME TABLE In Effect Nov. 22, 1901

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From Ogden Chicago, 8t.
Louis, Kansas City Omaha, Denver and San FranCisco
From Ogden

rom Ogden, Cache Valley, St. Anthony, Portland and San Francisco For Ogden, Omaha, Chicago, Denver, Kansas City and St. Louis For Ogden, Omaha, Chicago, Denver, Kansas City and St. Louis

For Ogden, Portland, St. Anthony, Ban Francisco and Intermediate points

For Ogden, Omaha, Chicago, Denver, Kansas City, St. Louis and San Francisco...

For Ogden, Cache Valley, Denver, Kansas City, Omaha, St. Louis and Chicago, For Ogden, Cache Valley, Denver, Kansas City, Omaha, St. Louis and Chicago, For Ogden, Cache Valley, Butte, Helena, Portland, Ban Francisco and intermediate points.

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# TIME TABLE.

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From Provo, American Fork, Lehi, Juab, Milford, Frisco, Callentes and intermediate points points
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Mercur and Sanpets Valley
Ry, points
From Silver City, Mammoth,
Eureka, Stockton, Toods

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